

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 094197-1216 - Front Differential

Sample No: LH0284140

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0284140	LH0270001	LH0251215	LH0225154
Sample Date	18 Mar 2024	01 Nov 2023	13 Mar 2023	06 Oct 2022
Machine Hours	25297	23554	22266	21039
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

INDUSTRIES GDS INC.

207 ROUTE 295
VILLE-DEGELIS, QC
CA G5T 1R1
Contact: Martin Deschenes
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F:



OIL CONDITION

Visc @ 40°C	cSt	193	186	180	180
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	2	<1	<1
Sodium	ppm	1	2	1	3
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	4	5	5	8
Copper	ppm	<1	1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	5	6	2	5
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	4	6	2	3
Phosphorus	ppm	2238	2411	2392	2487
Barium	ppm	0	<1	0	0
Boron	ppm	0	1	<1	2

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: INDVIL
Unique No: 5748947
Signed: Wes Davis
Report Date: 21 Mar 2024



GRAPHS

